

Polymer Resources AH-GP2-TFE10 Acetal Homopolymer, 10% PTFE

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, PTFE-Filled

Material Notes:

Process: Molding or Extrusion Notes: All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples. Information provided by Polymer Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Resources-AH-GP2-TFE10-Acetal-Homopolymer-10-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Linear Mold Shrinkage	0.018 - 0.021 cm/cm	0.018 - 0.021 in/in	ASTM D955
Melt Flow	7.0 - 13 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 - 13 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.6 MPa	8500 psi	ASTM D638
Tensile Strength, Yield	58.6 MPa	8500 psi	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.93 GPa	425 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 22.8 °C	1.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	98.9 °C	210 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0626 in	
	HB @Thickness 3.17 mm	HB @Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	193 - 204 °C	380 - 400 °F	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	199 - 207 °C	390 - 405 °F	
Front Barrel Temperature	199 - 210 °C	390 - 410 °F	
Melt Temperature	193 - 216 °C	380 - 420 °F	
Mold Temperature	79.4 - 104 °C	175 - 220 °F	
Drying Temperature	76.7 - 82.2 °C	170 - 180 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Vent	0.0005	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China